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* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 4 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 5 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 6 SEP 11 CA/CAplus enhanced with more pre-1907 records
NEWS 7 SEP 21 CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 8 SEP 25 CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 9 SEP 25 CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 10 SEP 25 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 11 SEP 28 CEABA-VTB classification code fields reloaded with new classification scheme
NEWS 12 OCT 19 LOGOFF HOLD duration extended to 120 minutes
NEWS 13 OCT 19 E-mail format enhanced
NEWS 14 OCT 23 Option to turn off MARPAT highlighting enhancements available
NEWS 15 OCT 23 CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 16 OCT 23 The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS 17 OCT 30 CHEMLIST enhanced with new search and display field

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * STN Columbus * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:48:15 ON 02 NOV 2006

=> file registry
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:48:31 ON 02 NOV 2006
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 1 NOV 2006 HIGHEST RN 912260-33-4
DICTIONARY FILE UPDATES: 1 NOV 2006 HIGHEST RN 912260-33-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

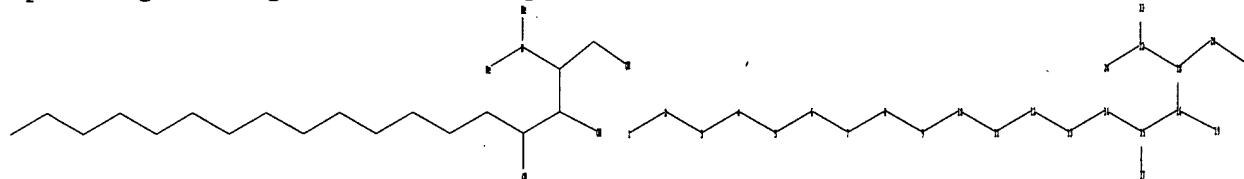
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10512126.str



chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24
chain bonds :
1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
15-16 15-17 16-18 16-19 18-20 18-22 20-21 22-23 22-24
exact/norm bonds :
15-17 16-19 18-22 20-21
exact bonds :
1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15
15-16 16-18 18-20 22-23 22-24

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 16:48:49 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 137 TO ITERATE

100.0% PROCESSED 137 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 2038 TO 3442
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 16:48:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2071 TO ITERATE

100.0% PROCESSED 2071 ITERATIONS
SEARCH TIME: 00.00.01

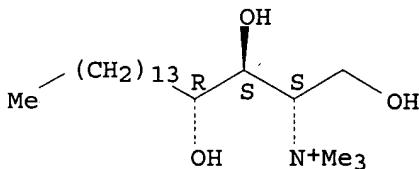
4 ANSWERS

L3 4 SEA SSS FUL L1

=> d scan

L3 4 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Octadecanaminium, 1,3,4-trihydroxy-N,N,N-trimethyl-, iodide, (2S,3S,4R)-
(9CI)
MF C21 H46 N O3 . I

Absolute stereochemistry.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 11 exa full

FULL SEARCH INITIATED 16:49:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 6 TO ITERATE

100.0% PROCESSED 6 ITERATIONS
SEARCH TIME: 00.00.01

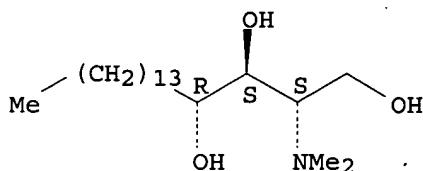
1 ANSWERS

L4 1 SEA EXA FUL L1

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 159762-16-0 REGISTRY
 ED Entered STN: 23 Dec 1994
 CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, (2S,3S,4R)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, [2S-(2R*,3R*,4S*)]-
 OTHER NAMES:
 CN N,N-Dimethylphytosphingosine
 FS STEREOSEARCH
 MF C20 H43 N O3
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file medline, caplus, wpids, uspatfull	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	225.38	225.59

FILE 'MEDLINE' ENTERED AT 16:49:36 ON 02 NOV 2006

FILE 'CAPLUS' ENTERED AT 16:49:36 ON 02 NOV 2006
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 16:49:36 ON 02 NOV 2006
 COPYRIGHT (C) 2006 THE THOMSON CORPORATION

FILE 'USPATFULL' ENTERED AT 16:49:36 ON 02 NOV 2006
 CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> d 14
 YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> s 14
 SAMPLE SEARCH INITIATED 16:49:49 FILE 'WPIDS'
 SAMPLE SCREEN SEARCH COMPLETED - 37 TO ITERATE

100.0% PROCESSED	37 ITERATIONS	0 ANSWERS
SEARCH TIME: 00.00.01		
FULL FILE PROJECTIONS:	ONLINE **COMPLETE**	
	BATCH **COMPLETE**	
PROJECTED ITERATIONS:	188 TO 552	

PROJECTED ANSWERS:

0 TO

0

L5 7 L4

=> d 15 1-7 ibib, abs, hitstr

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:847117 CAPLUS

DOCUMENT NUMBER: 145:310979

TITLE: Characterization of Ca^{2+} influx induced by dimethylphytosphingosine and lysophosphatidylcholine in U937 monocytes

AUTHOR(S): Lee, Yun-Kyung; Im, Young-Jin; Kim, Yu-Lee; Im, Dong-Soon

CORPORATE SOURCE: Laboratory of Pharmacology, College of Pharmacy and Research Institute for Drug Development, Pusan National University, Pusan, 609-735, S. Korea

SOURCE: Biochemical and Biophysical Research Communications (2006), 348(3), 1116-1122

CODEN: BBRCA9; ISSN: 0006-291X

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Calcium is a ubiquitous second messenger controlling a broad range of cellular functions. We previously observed that N,N-dimethyl-Di-
phytosphingosine (DMPH) and lysophosphatidylcholine (LPC) induced Ca^{2+} influx across the plasma membrane in U937 monocytes. In this study, we characterized the Ca^{2+} influx induced by DMPH and LPC. L-type voltage-gated Ca^{2+} channel blockers, verapamil and nifedipine, significantly reduced LPC-induced Ca^{2+} influx, but not DMPH-induced one. On the other hand, non-specific Ca^{2+} channel blockers, Ga³⁺ and La³⁺, considerably reduced DMPH- and LPC-induced Ca^{2+} influx. Preincubation of the cells with forskolin enhanced DMPH-induced Ca^{2+} influx, however, LPC-induced Ca^{2+} influx was not affected by the treatment. The enhancement by forskolin was blocked by KT5720, a PKA inhibitor. We also confirmed the presence of TRPM7 and absence of TRPM3 in U937 cells. Therefore, our characterization of Ca^{2+} influx in U937 human monocytes shows the presence of two different types of Ca^{2+} channels modulated by lysolipid mols., DMPH and LPC. LPC may induce Ca^{2+} influx via L-type Ca^{2+} channels and DMPH seems to induce Ca^{2+} influx through TRPM7 in U937 human monocytes.

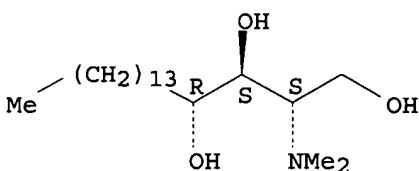
IT 159762-16-0, N,N-Dimethylphytosphingosine

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(dimethylphytosphingosine and lysophosphatidylcholine induction of of
 Ca^{2+} influx via Ca^{2+} channels and TRPM7 in U937 monocytes)

RN 159762-16-0 CAPLUS

CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, (2S,3S,4R)- (9CI) (CA INDEX
NAME)

Absolute stereochemistry.



REFERENCE COUNT:

26

THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:931353 CAPLUS

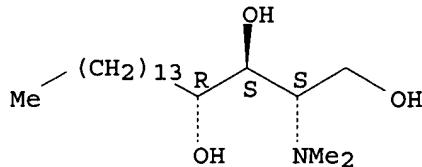
DOCUMENT NUMBER: 139:377330

TITLE: Radiosensitizer composition containing
 N-acetylphytosphingosine analogs and
 N,N-dimethyl-phytosphingosine analogs as the active
 ingredients
 INVENTOR(S): Yun, Yeon-sook; Song, Jie-young; Han, Young-soo
 PATENT ASSIGNEE(S): Korea Atomic Energy Research Institute, S. Korea
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003097631	A1	20031127	WO 2003-KR406	20030303
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW. RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
KR 2002042606	A	20020605	KR 2002-27739	20020520
AU 2003269871	A1	20031202	AU 2003-269871	20030303
PRIORITY APPLN. INFO.:			KR 2002-27739	A 20020520
			WO 2003-KR406	W 20030303

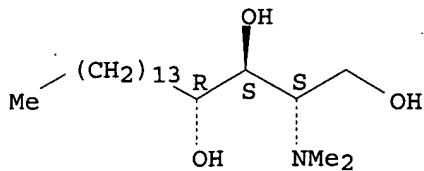
OTHER SOURCE(S): MARPAT 139:377330
 AB The object of the present invention is to provide a radiosensitizer composition
 comprises i) 70-97 wt % of an N-acetylphytosphingosine analog or its
 pharmaceutically acceptable salt; and ii) 3-30 wt % of
 dimethylphytosphingosine analog or its pharmaceutically acceptable salt.
 An example of a suitable radiosensitizer is C2 ceramide. Radiosensitizing
 activity of acetylphytosphingosine and dimethylphytosphingosine was
 demonstrated in uterine and breast cancer cells via an apoptosis
 mechanism.
 IT 159762-16-0, N,N-Dimethylphytosphingosine
 RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU
 (Therapeutic use); BIOL (Biological study); USES (Uses)
 (radiosensitizer composition containing phytosphingosine analogs)
 RN 159762-16-0 CAPLUS
 CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, (2S,3S,4R)- (9CI) (CA INDEX
 NAME)

Absolute stereochemistry.



IT 159762-16-0D, N,N-Dimethylphytosphingosine, analogs
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (radiosensitizer composition containing phytosphingosine analogs)
 RN 159762-16-0 CAPLUS
 CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, (2S,3S,4R)- (9CI) (CA INDEX
 NAME)

Absolute stereochemistry.



L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:892598 CAPLUS

DOCUMENT NUMBER: 139:358747

TITLE: Composition for treating cancer and other conditions containing N,N-dimethylphytosphingosine

INVENTOR(S): Choi, Jin-Hee; Park, Chang-Seo; Kim, Jin-Wook; Park, Chang-Yeol; Hwang, You-A.; Kim, Eun-Ju; Koh, Ui-Chan

PATENT ASSIGNEE(S): Doosan Corporation, S. Korea

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003092667	A1	20031113	WO 2003-KR882	20030501
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2482784	AA	20031113	CA 2003-2482784	20030501
AU 2003224486	A1	20031117	AU 2003-224486	20030501
US 2005143346	A1	20050630	US 2003-512126	20030501
JP 2005531542	T2	20051020	JP 2004-500851	20030501
KR 2003086439	A	20031110	KR 2003-28318	20030502
PRIORITY APPLN. INFO.:			KR 2002-24245	A 20020502
			KR 2003-5603	A 20030128
			WO 2003-KR882	W 20030501

AB A composition and a kit for treating cancer comprises N, N-dimethylphytosphingosine. The composition represses the activity of sphingosine kinase and therefore intercepts various mechanisms which sphingosine kinase induces. For example, the composition blocks the phosphorylation of ceramide and sphingosine, thereby maintaining high concentration of ceramide and sphingosine. The ceramide and sphingosine induce apoptosis in cancer cells. Therefore, the composition of the invention induces apoptosis in cancer cells and accordingly kills the cancer cells. The N,N-dimethylphytosphingosine can also be used to treat other conditions. A process for producing N,N-dimethylphytosphingosine is also disclosed.

IT 159762-16-0, N,N-Dimethylphytosphingosine

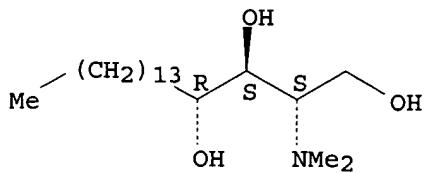
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(N,N-dimethylphytosphingosine for treatment of cancer and other diseases)

RN 159762-16-0 CAPLUS

CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, (2S,3S,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2001:38450 CAPLUS
 DOCUMENT NUMBER: 134:105637
 TITLE: Skin-lightening cosmetics comprising phytosphingosine derivatives
 INVENTOR(S): Ohuchi, Atsushi; Fujiomori, Taketoshi; Ohashi, Yukihiro
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001010926	A2	20010116	JP 1999-181938	19990628
PRIORITY APPLN. INFO.:			JP 1999-181938	19990628

OTHER SOURCE(S): MARPAT 134:105637
 AB This invention relates to cosmetics comprising phytosphingosine derivs., i.e. $\text{CHR}_1(\text{OH})\text{CH}(\text{OH})\text{CH}(\text{NR}_2\text{R}_3)\text{CH}_2\text{OH}$ (I; $\text{R}_1 = \text{C}_6\text{-26 hydrocarbyl}$; $\text{R}_2, \text{R}_3 = \text{H}$, $\text{C}_1\text{-4 hydrocarbyl}$) and salts thereof for preventing pigmentation, sunburn-induced freckles and blotches. A lotion contained I ($\text{R}_1 = \text{C}_{14}\text{H}_{29}$, $\text{R}_2 = \text{R}_3 = \text{H}$) 0.05, 1,3-butylene glycol 8, glycerin 4, Na hyaluronate 0.1, ethanol 3, polyoxyethylene polyoxypropylene decyltetradecyl ether 0.3, placenta exts. 3, preservatives q.s., perfumes q.s., and distilled water q.s. to 100 %.

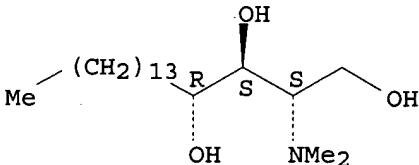
IT 159762-16-0
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(skin-lightening cosmetics comprising phytosphingosine derivs.)

RN 159762-16-0 CAPLUS

CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, (2S,3S,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1995:255466 CAPLUS
 DOCUMENT NUMBER: 122:38555
 TITLE: Cosmetic composition containing ceramide precursors
 INVENTOR(S): Jackson, Simon Mark; Rawlings, Anthony Vincent; Scott, Ian Richard

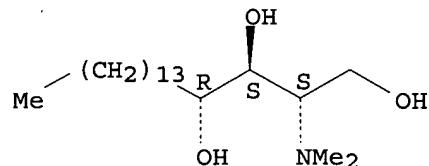
PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever N.V.
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9423694	A1	19941027	WO 1994-EP1117	19940407
W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KG, KR, KZ, LK, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2159201	AA	19941027	CA 1994-2159201	19940407
AU 9466774	A1	19941108	AU 1994-66774	19940407
AU 684282	B2	19971211		
EP 695167	A1	19960207	EP 1994-914359	19940407
EP 695167	B1	19971217		
R: CH, DE, ES, FR, GB, IT, LI, NL, SE				
JP 08508742	T2	19960917	JP 1994-522724	19940407
JP 3623793	B2	20050223		
ES 2110747	T3	19980216	ES 1994-914359	19940407
IN 181613	A	19980725	IN 1994-BO165	19940418
ZA 9402678	A	19951019	ZA 1994-2678	19940419
US 5578641	A	19961126	US 1994-230366	19940420
PRIORITY APPLN. INFO.:			GB 1993-8103	A 19930420
			WO 1994-EP1117	W 19940407

AB A composition for topical application to skin comprises 0.0001-10% of one or more ceramide pathway intermediates or precursors thereof, and a balancing amount of a cosmetically acceptable vehicle for the intermediate. Sphingosine, a ceramide pathway intermediate, stimulated the epidermal lipid biosynthesis particularly the glucosylceramide and ceramide class. A lotion contained N-Me phytosphingosine 0.2, EtOH 40, perfume q.s. butylated hydroxy toluene 0.01, and water q.s. 100%.

IT 159762-16-0
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (cosmetic composition containing ceramide precursors)
 RN 159762-16-0 CAPLUS
 CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, (2S,3S,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 6 OF 7 USPATFULL on STN
 ACCESSION NUMBER: 2005:165921 USPATFULL
 TITLE: Composition for treating cancer containing n,n-dimethylphytosphingosine
 INVENTOR(S): Choi, Jin-Hee, Seoul, KOREA, REPUBLIC OF
 Park, Chang-Seo, Gwancheon-city, KOREA, REPUBLIC OF
 Kim, Jin-Wook, Yongin-city, KOREA, REPUBLIC OF
 Park, Chang-Yeol, Yong-in city, KOREA, REPUBLIC OF
 Hwang, You-A, Gwangjoo-gun, KOREA, REPUBLIC OF

Kim, Eun-Ju, Yong-in city, KOREA, REPUBLIC OF
Koh, Ui-Chan, Seoul, KOREA, REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005143346	A1	20050630
APPLICATION INFO.:	US 2003-512126	A1	20030501 (10)
	WO 2003-KR882		20030501

	NUMBER	DATE
PRIORITY INFORMATION:	KR 2002-10200	20020502
	KR 2003-1020030005620030128	
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903, US	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	8 Drawing Page(s)	
LINE COUNT:	832	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition and a kit for treating cancer comprising N,N-dimethylphytosphingosine. The composition represses the activity of sphingosine kinase, and therefore, intercepts various mechanisms which sphingosine kinase induces. For example, the composition blocks the phosphorylation of ceramide and sphingosine, thereby maintaining high concentration of ceramide and sphingosine. The ceramide and sphingosine induce apoptosis in cancer cells. Therefore, the composition according to the present invention induces apoptosis in cancer cells and accordingly kills the cancer cells.

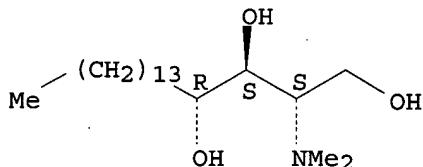
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 159762-16-0, N,N-Dimethylphytosphingosine
(N,N-dimethylphytosphingosine for treatment of cancer and other diseases)

RN 159762-16-0 USPATFULL

CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, (2S,3S,4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 7 OF 7 USPATFULL on STN
ACCESSION NUMBER: 96:109009 USPATFULL
TITLE: Cosmetic composition
INVENTOR(S): Jackson, Simon M., West Los Angeles, CA, United States
Rawlings, Anthony V., Wyckoff, NJ, United States
Scott, Ian R., Allendale, NJ, United States
PATENT ASSIGNEE(S): Elizabeth Arden Co., Division of Conopco, Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5578641		19961126
APPLICATION INFO.:	US 1994-230366		19940420 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1993-8103	19930420
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Ivy, C. Warren	
ASSISTANT EXAMINER:	Huang, Evelyn	
LEGAL REPRESENTATIVE:	Mitelman, Rimma	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	1041	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	A composition for topical application to skin which com	

(ii) from 0.0001 to 10% by weight of one or more ceramide pathway inhibitors.

(1) from 0.0001 to 10% by weight of one or more ceramide pathway intermediates or precursors thereof and mixtures thereof; and

(ii) a balancing amount of a cosmetically acceptable vehicle for the intermediate.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

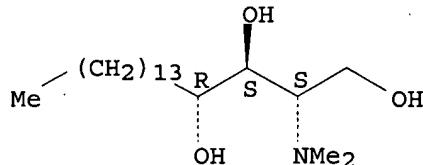
IT 159762-16-0

(cosmetic composition containing ceramide precursors)

RN 159762-16-0 USPATFULL

CN 1,3,4-Octadecanetriol, 2-(dimethylamino)-, (2S,3S,4R)- (9CI) (CA INDEX
NAME)

Absolute stereochemistry.



=> d his

(FILE 'HOME' ENTERED AT 16:48:15 ON 02 NOV 2006)

FILE 'REGISTRY' ENTERED AT 16:48:31 ON 02 NOV 2006

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 4 S L1 FULL

FILE 'MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 16:49:36 ON 02 NOV

2006

Logging off of CTN

=> Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	43.55	269.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.75	-3.75

STN INTERNATIONAL LOGOFF AT 16:50:19 ON 02 NOV 2006